

FP103.1 (SFPC SWG Proposal No.1)-21

Proponents: DHCD Staff (sbco@dhcd.virginia.gov) on behalf of the SFPC Sub-workgroup.

Reason Statement: This proposal includes items that were reviewed and decided on by the SFPC Sub-workgroup at their 02/16/2022 meeting. For a complete list of proposed changes please see attached document "cdpVA Proposal No.1".

Resiliency Impact Statement: This proposal will increase Resiliency

The proposal will increase the resiliency by ensuring that the buildings will be maintained in accordance with the applicable codes and standards.

Cost Impact: The code change proposal will not increase or decrease the cost of construction

The intent of the changes is to ensure that buildings are maintained in accordance with the building codes and standards in effect at the time of construction. New construction requirements are not stipulated by these changes. Thus, the proposed changes should have a neutral effect on the construction cost.

2021 SFPC Base Document Corrections/Proposals 02/16/2022

Page	Section	Base Document	VFSB CSC Proposal	SFPC Sub-workgroup Decision - Consensus for approval as noted below
45	603.1	603.1 General. Electrical equipment, wiring and systems shall be maintained in accordance with this section and the applicable building code.	603.1 General. Electrical equipment, wiring and systems shall be operated and maintained in accordance with this section and the applicable building code.	603.1 General. Electrical equipment, wiring and systems shall be operated and maintained in accordance with this section and the applicable building code.
45	603.1.1	603.1.1 Equipment and wiring. Electrical equipment, wiring, devices and appliances shall be maintained in accordance with this section and the applicable NFPA 70 standard.	603.1.1 Equipment and wiring. Electrical equipment, wiring, devices and appliances shall be listed and labeled, operated and maintained in accordance with this section and the applicable NFPA 70 standard.	603.1.1 Equipment and wiring. Electrical equipment, wiring, devices and appliances shall be listed and labeled, operated and maintained in accordance with this section and the applicable NFPA 70 standard.
45	603.2.1	603.2.1 Modified or damaged. Electrical wiring, devices, equipment and appliances that are modified or damaged, and constitute an electrical shock or fire hazard, shall not be used until repaired or replaced in accordance with NFPA 70.	603.2.1 Modified or damaged. Electrical wiring, devices, equipment and appliances that are modified or damaged, and constitute an electrical shock or fire hazard, shall not be used until repaired or replaced in accordance with this code and NFPA 70.	603.2.1 Modified or damaged. Electrical wiring, devices, equipment and appliances that are modified or damaged, and constitute an electrical shock or fire hazard, shall not be used until repaired or replaced in accordance with the applicable building code.
45	603.5	603.5 Relocatable power taps and current taps. The construction and use of current taps and relocatable taps shall be in accordance with NFPA 70.	603.5 Relocatable power taps and current taps. The construction and use of current taps and relocatable taps shall be in accordance with this code and NFPA 70.	603.5 Relocatable power taps and current taps. The construction and use of current taps and relocatable taps shall be in accordance with this code and the applicable building code.
	610.1.1	IFC 610.1.1 Installation. Clothes dryer exhaust duct systems shall be installed in accordance with the International Mechanical Code or the International Fuel Gas Code, and the manufacturer's installation instructions.	Delete 610.1.1	Delete 2021 IFC Section 610.1.1.
55	806.1.4	Delete section 806.1.4	IFC: 806.1.4 Fire-retardant treatments for natural cut trees. Where fire-retardant treatments are applied to natural cut trees, the fire-retardant treatment shall be tested by an approved agency and shall comply with both Test Method 1 and Test Method 2 of ASTM E3082	Incorporate the 2021 IFC Section 806.1.4.
55	806	Section 806 Decorative Vegetation in Buildings	Section 806 Natural Decorative Vegetation in Buildings	Section 806 (add "Natural" to the title to read) Natural Decorative Vegetation in Buildings
	808.5	808.5 Play structures added to existing buildings. Where play structures that exceed 10 feet (3048 mm) in height or 150 square feet (14 m ²) in area are added inside an existing building, they shall comply with Section 424 of the International Building Code.	808.5 Play structures. Play structures shall be maintained in accordance with the applicable building code.	808.5 Play structures. Play structures shall be maintained in accordance with the applicable building code.
	901.4	901.4 Maintenance and alterations. Fire protection systems shall be maintained in accordance with the original installation standards for that system. Alterations and repairs to fire protection systems shall be done in accordance with the applicable building code and the applicable standards.	901.4 Maintenance and alterations. Fire protection systems and life safety systems shall be maintained in accordance with the original installation standards for that system. Alterations and repairs to fire protection systems shall be done in accordance with the applicable building code and the applicable standards.	901.4 Maintenance and alterations. Fire protection and life safety systems shall be maintained in accordance with the original installation standards for that system. Alterations and repairs to fire protection systems shall be done in accordance with the applicable building code and the applicable standards.
67	908.3	Delete section 908.3.	908.3 Fire alarm system interface. Where an emergency alarm system is interfaced with a building's fire alarm system, the signal produced at the fire alarm control unit is permitted to be a supervisory signal.	908.3 Fire alarm system interface. Where an emergency alarm system is interfaced with a building's fire alarm system, the signal produced at the fire alarm control unit is permitted to be a supervisory signal.
93	1001.1	1001.1 General. Means of egress systems for buildings or portions thereof shall be maintained in accordance with the applicable building code and Section 1031.	1001.1 General. Means of egress systems for buildings or portions thereof shall be maintained in accordance with the applicable building code and this chapter.	1001.1 General. Means of egress systems for buildings or portions thereof shall be maintained in accordance with the applicable building code and this chapter.
96	1004.7	1004.7 Outdoor areas. The means of egress for outdoor areas shall be maintained in accordance with the applicable building code.	1004.7 Outdoor areas. The means of egress for yards, patios, occupied roofs courts and similar outdoor areas accessible to and usable by the building occupants shall be maintained in accordance with the applicable building code.	1004.7 Outdoor areas. The means of egress for yards, patios, occupied roofs, courts and similar accessible and usable outdoor areas shall be maintained in accordance with the applicable building code.
108	1029	SECTION 1029 ASSEMBLY	SECTION 1029 EGRESS COURTS	SECTION 1029 EGRESS COURTS
113	1201.2	1201.2 Electrical wiring and equipment. Electrical wiring and equipment used in connection with energy systems shall be maintained in accordance with Chapter 12, NFPA 70 and the applicable building code.	1201.2 Electrical wiring and equipment. Electrical wiring and equipment used in connection with energy systems shall be maintained in accordance with Chapter 12, this chapter, Section 603, NFPA 70 and the applicable building code.	1201.2 Electrical wiring and equipment. Electrical wiring and equipment used in connection with energy systems shall be maintained in accordance with this chapter, Section 603 and the applicable building code.
114	1203.2.5	Delete Section 1203.2.5	1203.2.5 Exhaust ventilation. Standby power shall be maintained for mechanical exhaust ventilation systems in accordance with the applicable building code.	1203.2.5 Exhaust ventilation. Where standby power for mechanical exhaust ventilation systems is provided or required by the applicable building code, the standby power shall be maintained.
127	2203.1	2203.1 Critical depth layer. The maximum dust layer on all surfaces, including but not limited to walls, ceilings, beams, equipment, furniture, pipes and ducts, shall not exceed the amount allowed by the applicable building code.	IFC: 2203.1 Critical depth layer. The maximum dust layer on all surfaces, including but not limited to walls, ceilings, beams, equipment, furniture, pipes and ducts, shall not exceed the critical depth layer specified in Table 2203.1. The critical depth layer is permitted to be adjusted for explosion hazard where further evaluated in accordance with one of the following: 1. Section 7.2.1.3 of NFPA 654. 2. Section 4.1.3.3 of NFPA 664 for wood floor. Accumulated combustible dust shall be collected by one of the methods listed in Section 2203.5	Incorporate 2021 IFC Section 2203.1
127	Table 2203.1	Table 2203.1 not deleted?? Error?	IFC: TABLE 2203.1 CRITICAL DEPTH LAYER	Incorporate 2021 IFC Table 2203.1
127	2203.3.3	Delete 2203.3.3	2203.3.3 Cleanouts. Openings in enclosed equipment and conveyors shall be maintained to allow access to all parts of the equipment and conveyors to permit inspection, cleaning, maintenance and the effective use of portable fire extinguishers or hose streams.	2203.3.3 Cleanouts. Openings in enclosed equipment and conveyors shall be maintained to allow access to all parts of the equipment and conveyors to permit inspection, cleaning, maintenance and the effective use of portable fire extinguishers or hose streams.
127	2203.4.1	2203.4.1 Classified electrical. Electrical equipment installed in classified locations, as defined by the applicable building code, shall be maintained in accordance with the applicable building code.	2203.4.1 Classified electrical. Classified electrical equipment shall be maintained in accordance with the applicable NFPA 70. Electrical motors and electrical components of the equipment shall not be operated in the dust-laden airstream unless listed for locations in accordance with the applicable building code.	2203.4.1 Classified electrical. Classified electrical equipment shall be maintained in accordance with the applicable NFPA 70. Electrical motors and electrical components of the equipment shall not be operated in the dust-laden airstream unless listed for locations in accordance with the applicable building code.
128	2203.4.5	2203.4.5 Powered industrial trucks. Powered industrial trucks used in electrically classified areas, listed in accordance with the applicable building code, shall maintain their listing.	IFC: 2203.4.5 Powered industrial trucks. Powered industrial trucks used in electrically classified areas shall be listed for such use.	Incorporate 2021 IFC Section 2203.4.5.
128	2203.4.6	2203.4.6 Smoking prohibited. Smoking shall be prohibited in or adjacent to dust-producing or dust-handling areas. "No Smoking" signs required by the applicable building code to be conspicuously posted in such areas, shall be maintained. Smoking shall be permitted only in designated areas.	IFC: 2203.4.6 Smoking prohibited. Smoking shall be prohibited in or adjacent to dust-producing or dust-handling areas. "No Smoking" signs complying with Section 310 shall be conspicuously posted in such areas. Smoking shall be permitted only in designated areas.	Incorporate 2021 IFC Section 2203.4.6.
128	2203.4.7	2203.4.7 Spark-producing devices. The clear distance required by the applicable building code between spark-producing devices and areas requiring classified electrical, shall be maintained.	IFC 2203.4.7 Spark-producing devices. Portable spark-producing devices shall not be operated within 20 feet (6096 mm) of areas requiring classified electrical unless separated by a permanent partition or approved in accordance with the applicable building code. The clear distance required by the applicable building code between spark-producing devices and areas requiring classified electrical, shall be maintained.	2203.4.7 Spark-producing devices. Portable spark-producing devices shall not be operated within 20 feet (6096 mm) of areas requiring classified electrical unless separated by a permanent partition or approved in accordance with the applicable building code. The clear distance required by the applicable building code between spark-producing devices and areas requiring classified electrical, shall be maintained.
128	2203.4.9.2	2203.4.9.2 Space heaters. Unless otherwise allowed by the applicable building code, fuel-fired space heaters drawing local ambient air shall not be located within electrically classified areas. Space-heating appliances in dust-producing or dust-handling areas shall be located in accordance with the applicable building code.	IFC: 2203.4.9.2 Space heaters. Portable fuel-fired space heaters drawing local ambient air shall not be located within electrically classified areas. Space-heating appliances in dust-producing or dust-handling areas shall be located where not subject to the accumulation of deposits of combustible dust.	Incorporate 2021 IFC Section 2203.4.9.2.

129	2203.4.9.4	2203.4.9.4 Inspection and preventive maintenance. Inspection and maintenance of fuel-fired process equipment shall include verification that combustible dust accumulations within or around the equipment do not exceed the amounts allowed by the applicable building code.	IFC: 2203.4.9.4 Inspection and preventive maintenance. Inspection and maintenance of fuel-fired process equipment shall include verification that significant combustible dust accumulations do not exist within or around the equipment.	Incorporate 2021 IFC Section 2203.4.9.4.
129	2203.5	2203.5 Housekeeping. Accumulation of combustible dust on surfaces inside buildings shall be maintained below the critical depth layer allowed by the applicable building code. Pressurized air or similar methods shall not be used to remove dust from surfaces. Accumulated combustible dust shall be collected by one of the following methods:	IFC: 2203.5 Housekeeping. Accumulation of combustible dust on surfaces inside buildings shall be maintained below the critical depth layer in Section 2203.1. Pressurized air or similar methods shall not be used to remove dust from surfaces. Accumulated combustible dust shall be collected by one of the following methods:	Incorporate 2021 IFC Section 2203.5.
129	2203.7	2203.7 Emergency response plan. Written emergency response plans required by the applicable building code to be developed for preventing, preparing for and responding to work-related emergencies, including but not limited to fire and explosion, shall be maintained.	IFC: 2203.7 Emergency response plan. A written emergency response plan shall be developed for preventing, preparing for and responding to work-related emergencies, including but not limited to fire and explosion. The following information shall be developed into the plan: 1. Identification of dust hazards. 2. Identification and location of all utilities to affected areas. 3. Site plans or floor plans locating utility shutoff controls, including water, gas and power. 4. The potential for explosion. 5. Locations of fire-extinguishing equipment compatible with the hazards present.	Incorporate 2021 IFC Section 2203.7.
129	2205.1.1	Delete Section 2205.1.1.	IFC: 2205.1.1 Dust hazard analysis. If a dust hazard analysis (DHA) is required by the fire code official for new or existing facilities and operations, it shall be in accordance with NFPA 652. The DHA for existing facilities shall be in accordance with Section 7.1.1 of NFPA 652.	Incorporate 2021 IFC Section 2205.1.1.
175	3303.5	3303.5 Fire safety for buildings of Types IV-A, IV-B, and IV-C construction. Buildings of Types IV-A, IV-B, and IV-C construction designed to be greater than six stories above grade plane shall comply with the following: 1. Standpipes provided in accordance with the applicable building code shall be maintained. 2. A water supply	3303.5 Fire safety requirements for buildings of Types IV-A, IV-B and IV-C construction. Buildings of Types IV-A, IV-B and IV-C construction designed to be greater than six stories above grade plane shall comply with the following requirements during construction unless otherwise approved by the fire code official: 1. Standpipes shall be provided in accordance with Section 3313. 2. A water supply for fire department operations, as approved by the fire code official and the fire chief. 3. Fire safety construction features as required by the Building Official in accordance with the applicable building code.	3303.5 Fire safety requirements for buildings of Types IV-A, IV-B and IV-C construction. Buildings of Types IV-A, IV-B and IV-C construction designed to be greater than six stories above grade plane shall comply with the following requirements during construction unless otherwise approved by the fire code official: 1. Standpipes shall be provided in accordance with Section 3313. 2. A water supply for fire department operations, as approved by the fire code official and the fire chief. 3. Fire safety construction features as required by the Building Official in accordance with the applicable building code.
179	3904.2.1	Delete Sections...3904.2.1	3904.2.1 Listings. Systems or equipment used for the extraction of oils from plant material shall be listed and labeled in accordance with the applicable building code, and be operated and maintained in accordance with the listing and the manufacturer's instructions.	3904.2.1 Listings. Systems or equipment used for the extraction of oils from plant material shall be listed and labeled in accordance with the applicable building code, and be operated and maintained in accordance with the listing and the manufacturer's instructions.
179	3904.2.2	Delete Sections...3904.2.2	3904.2.2 Approvals. Systems or equipment used for the extraction of oils from plant material shall be approved in accordance with the applicable building code.	3904.2.2 Approvals. Systems or equipment used for the extraction of oils from plant material shall be approved in accordance with the applicable building code.
222	5704.2.13.1.1	5704.2.13.1.1 Temporarily out of service. Underground tanks temporarily out of service shall have the fill line, gauge opening, vapor return, and pump connection secure against tampering. Vent lines shall remain open and be maintained in accordance with Sections 5704.2.7.3 and Section 5704.2.7.4. Exception: Underground storage tank systems subject to the Virginia State Water Control Board regulation 9VAC25-580, Underground Storage Tanks-Technical Standards and Corrective Action Requirements, that are out-of-service shall comply with the temporary closure requirements of 9VAC25-580-310.	5704.2.13.1.1 Temporarily out of service. Underground tanks temporarily out of service shall have the fill line, gauge opening, vapor return, and pump connection secure against tampering. Normal and emergency vent lines shall remain open and be maintained in accordance with Sections 5704.2.7.3 and Section 5704.2.7.4. Exception: Underground storage tank systems subject to the Virginia State Water Control Board regulation 9VAC25-580, Underground Storage Tanks-Technical Standards and Corrective Action Requirements, that are out-of-service shall comply with the temporary closure requirements of 9VAC25-580-310.	5704.2.13.1.1 Temporarily out of service. Underground tanks temporarily out of service shall have the fill line, gauge opening, vapor return, and pump connection secure against tampering. Normal and emergency vent lines shall remain open and be maintained. Exception: Underground storage tank systems subject to the Virginia State Water Control Board regulation 9VAC25-580 that are out-of-service shall comply with the temporary closure requirements of 9VAC25-580-310.
222	5704.2.13.1.2	5704.2.13.1.2 Out of service for 90 days. Underground tanks not used for a period of 90 days shall be safeguarded in accordance with all the following or be removed in accordance with Section 5704.2.14: 1. Flammable or combustible liquids shall be removed from the tank. 2. All piping, including fill line, gauge opening, vapor return and pump connection, shall be capped or plugged and secured from tampering. 3. Vent lines shall remain open and be maintained in accordance with Section 5704.2.7.4.	5704.2.13.1.2 Out of service for 90 days. Underground tanks not used for a period of 90 days shall be safeguarded in accordance with all the following or be removed in accordance with Section 5704.2.14: 1. Flammable or combustible liquids shall be removed from the tank. 2. All piping, including fill line, gauge opening, vapor return and pump connection, shall be capped or plugged and secured from tampering. 3. Normal and emergency vent lines shall remain open and be maintained.	5704.2.13.1.2 Out of service for 90 days. Underground tanks not used for a period of 90 days shall be safeguarded in accordance with all the following or be removed in accordance with Section 5704.2.14: 1. Flammable or combustible liquids shall be removed from the tank. 2. All piping, including fill line, gauge opening, vapor return and pump connection, shall be capped or plugged and secured from tampering. 3. Normal and emergency vent lines shall remain open and be maintained.
4	107.2	None	Industrial Additive Manufacturing. An operational permit is required to conduct additive manufacturing operations regulated by Section 320.3	Add an operational permit to Table 107.2, to conduct additive manufacturing operations regulated by Section 320.3.
	4003.1	IFC 4003.1 Spill control. Drainage or containment systems shall be provided by means of curbs, scuppers, special drains or other suitable means to prevent the flow of spills throughout the building.	4003.1 Spill control. Where provided or required by the applicable building code, drainage or containment systems including curbs, scuppers, special drains or other suitable means to prevent the flow of spills throughout the building, shall be maintained.	4003.1 Spill control. Where provided or required by the applicable building code, drainage or containment systems including curbs, scuppers, special drains or other suitable means to prevent the flow of spills throughout the building, shall be maintained.
	4003.2	IFC 4003.2 Ventilation. For rooms and spaces where distilled spirits and wines in barrels and casks are stored, ventilation shall be provided in accordance with the International Mechanical Code and one of the following: 1. The rooms and spaces shall be ventilated at a rate sufficient to maintain the concentration of vapors within the area at or below 25 percent of the lower flammable limit (LFL). This shall be confirmed by sampling the actual vapor concentration under normal operating conditions. The sampling shall be conducted throughout the enclosed storage area, extending to or toward the bottom and the top of the enclosed storage area. The vapor concentration used to determine the required ventilation rate shall be the highest measured concentration during the sampling procedure. The sampling shall be conducted manually or by installation of a continuously monitoring flammable vapor detection system. 2. The rooms and spaces shall be provided exhaust ventilation at a rate of not less than 1 cfm per square foot [0.0058 m ³ /(s × m ²)] of solid floor area. The exhaust ventilation shall be accomplished by natural or mechanical means, with discharge of the exhaust to a safe location outside the building.	4003.2 Ventilation. For rooms and spaces where distilled spirits and wines in barrels and casks are stored, ventilation shall be operated and maintained in accordance with the applicable building code to prevent vapors from concentrating above 25 percent of the lower flammable limit.	4003.2 Ventilation. For rooms and spaces where distilled spirits and wines in barrels and casks are stored, ventilation shall be operated and maintained in accordance with the applicable building code to prevent vapors from concentrating above 25 percent of the lower flammable limit.
	4003.4	IFC 4003.4 Lighting. Structures containing barrel storage should be protected from lightning. The lightning protection equipment shall be installed in accordance with NFPA 70 and NFPA 780.	4003.4 Lighting. Lightning protection equipment shall be maintained in accordance with the applicable NFPA 70 and NFPA 780.	4003.4 Lighting. Lightning protection equipment shall be maintained in accordance with the applicable NFPA 70 and NFPA 780.

4004.3	<p>IFC 4004.3Basement storage. Class I liquids shall be allowed to be stored in basements in amounts not exceeding the maximum allowable quantity per control area for use-open systems in Table 5003.1.1(1), provided that automatic suppression and other fire protection are provided in accordance with Chapter 9. Class II and IIIA liquids shall also be allowed to be stored in basements, provided that automatic suppression and other fire protection are provided in accordance with Chapter 9.</p>	<p>4004.3Basement storage. Class I liquids shall be allowed to be stored in basements in amounts not exceeding the maximum allowable quantity per control area for use-open systems where approved in accordance with the applicable building code and automatic suppression or other fire protection systems are maintained in accordance with Chapter 9. Class II and IIIA liquids shall also be allowed to be stored in basements where approved in accordance with the applicable building code and automatic suppression or other fire protection systems are maintained in accordance with Chapter 9.</p>	<p>4004.3 Basement storage. Class I liquids shall be allowed to be stored in basements in amounts not exceeding the maximum allowable quantity per control area for use-open systems where approved in accordance with the applicable building code and automatic suppression or other fire protection systems are maintained in accordance with Chapter 9. Class II and IIIA liquids shall also be allowed to be stored in basements where approved in accordance with the applicable building code and automatic suppression or other fire protection systems are maintained in accordance with Chapter 9.</p>
4005.1	<p>IFC 4005.1Automatic sprinkler system. The storage of distilled spirits and wines shall be protected by an approvedautomatic sprinkler systemas required by Chapter 9.</p>	<p>Delete 4005.1</p>	<p>Delete 2021 IFC Section 4005.1.</p>

Revised Text Suggested by Andrew Milliken - 02/23/2022

901.4.3 Alterations in buildings and structures. For any alteration within a building or structure, the existing fire protection and life safety systems shall be maintained to continue protection while the building or structure is occupied. Persons shall not remove or modify any fire protection or life safety system without approval from the Building Official in accordance with the applicable building code.

Base Document and Original Text Proposed by the VFSB Reproduced Below

Base Document: Delete section 901.4.3.

Original VFSB text:

901.4.3 Alterations in buildings and structures. For any alteration within a building or structure, the fire protection and life safety systems shall be maintained to continue protection within the building or structure. Persons shall not remove or modify any fire protection or life safety system without approval of the Building Official in accordance with the applicable building code.

Proposed 2021 SFPC Section 3107.13.2

3107.13.2 Location of containers. LP-gas containers and tanks shall be located outside in accordance with ~~IFC Table 6104.3~~ 3107.13.2. Pressure relief devices shall be pointed away from the tent or membrane structure.

TABLE 3107.13.2
LOCATION OF LP-GAS CONTAINERS

LP-GAS CONTAINER CAPACITY (water gallons)	MINIMUM SEPARATION BETWEEN LP-GAS CONTAINERS AND BUILDINGS, PUBLIC WAYS ^g OR LOT LINES OF ADJOINING PROPERTY THAT CAN BE BUILT ON		MINIMUM SEPARATION BETWEEN LP-GAS CONTAINERS ^{b, c} (feet)
	Mounded or underground LP-gas containers ^a (feet)	Above-ground LP-gas containers ^b (feet)	
Less than 125 ^{c, d}	10	5 ^e	None
125 to 250	10	10	None
251 to 500	10	10	3
501 to 2,000	10	25 ^{e, f}	3
2,001 to 30,000	50	50	5
30,001 to 70,000	50	75	(0.25 of sum of diameters of adjacent LP-gas containers)
70,001 to 90,000	50	100	
90,001 to 120,000	50	125	

For SI: 1 foot = 304.8 mm, 1 gallon = 3.785 L.

- a. Minimum distance for underground LP-gas containers shall be measured from the pressure relief device and the filling or liquid-level gauge vent connection at the container, except that all parts of an underground LP-gas container shall be not less than 10 feet from a building or lot line of adjoining property that can be built on.
- b. For other than installations in which the overhanging structure is 50 feet or more above the relief-valve discharge outlet. In applying the distance between buildings and ASME LP-gas containers with a water capacity of 125 gallons or more, not less than 50 percent of this horizontal distance shall also apply to all portions of the building that project more than 5 feet from the building wall and that are higher than the relief valve discharge outlet. This horizontal distance shall be measured from a point determined by projecting the outside edge of such overhanging structure vertically downward to grade or other level on which the LP-gas container is installed. Distances to the building wall shall be not less than those prescribed in this table.
- c. Where underground multicontainer installations are composed of individual LP-gas containers having a water capacity of 125 gallons or more, such containers shall be installed so as to provide access at their ends or sides to facilitate working with cranes or hoists.
- d. At a consumer site, if the aggregate water capacity of a multiple-container installation, comprised of individual LP-gas containers having a water capacity of less than 125 gallons, is 500 gallons or more, the minimum distance shall comply

with the appropriate portion of this table, applying the aggregate capacity rather than the capacity per LP-gas container. If more than one such installation is made, each installation shall be separated from other installations by not less than 25 feet. Minimum distances between LP-gas containers need not be applied.

- e. The following shall apply to above-ground containers installed alongside buildings:
 - 1. LP-gas containers of less than a 125-gallon water capacity are allowed without a separation distance where in compliance with Items 2, 3 and 4.
 - 2. Department of Transportation (DOTn) specification LP-gas containers shall be located and installed so that the discharge from the container pressure relief device is not less than 3 feet horizontally from building openings below the level of such discharge and shall not be beneath buildings unless the space is well ventilated to the outside and is not enclosed for more than 50 percent of its perimeter. The discharge from LP-gas container pressure relief devices shall be located not less than 5 feet from exterior sources of ignition, openings into direct vent (sealed combustion system) appliances or mechanical ventilation air intakes.
 - 3. ASME LP-gas containers of less than a 125-gallon water capacity shall be located and installed such that the discharge from pressure relief devices shall not terminate in or beneath buildings and shall be located not less than 5 feet horizontally from building openings below the level of such discharge and not less than 5 feet from exterior sources of ignition, openings into direct vent (sealed combustion system) appliances, or mechanical ventilation air intakes.
 - 4. The filling connection and the vent from liquid-level gauges on either DOTn or ASME LP-gas containers filled at the point of installation shall be not less than 10 feet from exterior sources of ignition, openings into direct vent (sealed combustion system) appliances or mechanical ventilation air intakes.
- f. This distance is allowed to be reduced to not less than 10 feet for a single LP-gas container of 1,200-gallon water capacity or less, provided that such container is not less than 25 feet from other LP-gas containers of more than 125-gallon water capacity.
- g. Above-ground LP-gas containers with a water capacity of 2,000 gallons or less shall be separated from public ways by a distance of not less than 5 feet. Containers with a water capacity greater than 2,000 gallons shall be separated from public ways in accordance with this table.

Explanation of change (from the text agreed upon on 02.16.2022): replaced reference to IFC Table 6104.3 with reference to newly created SFPC Table 3107.13.2 which is the same as IFC Table 6104.3 (copy/paste/changed table number).